



## SEQUENCE LISTING

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AUG 08 2001

TECH CENTER 1600/2900

<110> Pastan, Ira H.  
Chowdhury, Partha S.  
The Government of the United States  
as represented by The Secretary of the  
Department of Health and Human Services

<120> Antibodies, Including Fv Molecules, and  
Immunoconjugates Having High Binding Affinity for  
Mesothelin and Methods for Their Use

<130> 015280-339100US

<140> US 09/581,345

<141> 2000-09-27

<150> US 60/067,175

<151> 1997-12-01

<150> WO PCT/US98/25270

<151> 1998-11-25

<160> 9

<170> PatentIn Ver. 2.0

<210> 1

<211> 723

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:SS scFv

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tacaaccaga agttcagggg caaggccaca ttaactgtag acaagtcac cagcacagcc 240  
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<210> 2

<211> 1917

<212> DNA

<213> Pseudomonas aeruginosa

<220>

<223> Pseudomonas aeruginosa exotoxin A CDS

<400> 2

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:New G2 NdeI  
back primer

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<210> 4

<211> 42

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence:New G2 HindIII  
forward primer

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42

<210> 5

<211> 241

<212> PRT

<213> Artificial Sequence

&lt;220&gt;

&lt;223&gt; Description of Artificial Sequence:SS scFv

&lt;400&gt; 5

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 Tyr Thr Met Asn Trp Val Lys Gln Ser His Gly Lys Ser Leu Glu Trp  
 35 40 45  
 Ile Gly Leu Ile Thr Pro Tyr Asn Gly Ala Ser Ser Tyr Asn Gln Lys  
 50 55 60  
 Phe Arg Gly Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala  
 65 70 75 80  
 Tyr Met Asp Leu Leu Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr Phe  
 85 90 95  
 Cys Ala Arg Gly Gly Tyr Asp Gly Arg Gly Phe Asp Tyr Trp Gly Gln  
 100 105 110  
 Gly Thr Thr Val Thr Val Ser Ser Gly Val Gly Gly Ser Gly Gly Gly  
 115 120 125  
 Gly Ser Gly Gly Gly Gly Ser Asp Ile Glu Leu Thr Gln Ser Pro Ala  
 130 135 140  
 Ile Met Ser Ala Ser Pro Gly Glu Lys Val Thr Met Thr Cys Ser Ala  
 145 150 155 160  
 Ser Ser Ser Val Ser Tyr Met His Trp Tyr Gln Gln Lys Ser Gly Thr  
 165 170 175  
 Ser Pro Lys Arg Trp Ile Tyr Asp Thr Ser Lys Leu Ala Ser Gly Val  
 180 185 190  
 Pro Gly Arg Phe Ser Gly Ser Gly Ser Gly Asn Ser Tyr Ser Leu Thr  
 195 200 205  
 Ile Ser Ser Val Glu Ala Glu Asp Asp Ala Thr Tyr Tyr Cys Gln Gln  
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 Trp Ser Gly Tyr Pro Leu Thr Phe Gly Ala Gly Thr Lys Leu Glu Ile  
 225 230 235 240  
 Lys

&lt;210&gt; 6

&lt;211&gt; 15

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;220&gt;

 <223> Description of Artificial Sequence:linker peptide  
 connecting V-H and V-L in SS scFv

<400> 6

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<210> 7

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:peptide linker

<400> 7

Gly Gly Gly Ser  
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<210> 8

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:carboxyl  
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<400> 8

Lys Asp Glu Leu  
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<210> 9

<211> 4

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:carboxyl  
 terminus

<400> 9

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A4  
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